

Butterflies, Bumble Bees, & Citizen Science





Hannah Haarhues-Casey
7th Grade Science
Lewis Central Middle School
Lee G. Simmons Conservation Park &
Wildlife Safari

Part I: Overview of Business

- Lee G. Simmons ConservationPark & Wildlife Safari
- Affiliated with Omaha's Henry Doorly Zoo & Aquarium
- •Four mile long drive through North American wildlife experience in Ashland, Nebraska

Part III: Introduce the Problem

- •Butterfly transects set up in public areas at Safari Park
- New butterfly data collection website that needed to be tested out
- •Bumblebee numbers unknown in park; necessary for placement of bumblebee houses

Part II: Job Specifics

- Omaha's Zoo has had their
 Citizen Science program actively
 available with little involvement
- •No butterfly monitoring for 5 years in the area
- •Safari Park had issues with prairie being mowed

Part IV: Background

- •Catalogue butterfly species diversity and numbers in Nebraska
- •Determine butterfly "hot spots" in the Safari Park
- •Analyze curriculum to determine improvements or changes to make more student or user-friendly

Part V: Business Solution

- Omaha Zoo created their own data collection and recording site for public use
- •Butterfly species & numbers cataloged
- Butterfly profile started for area

Part VI: Student Solutions

- •Students would learn to monitor butterfly species & properly identify them in the area to report
- •Students learn how to monitor other creatures & report out